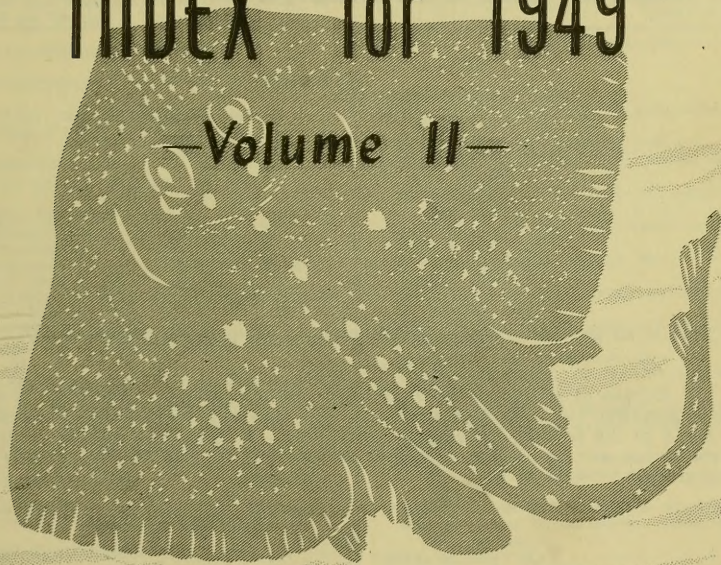


# COMMERCIAL FISHERIES REVIEW

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—Volume II—



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FISH and WILDLIFE SERVICE  
United States Department of the Interior  
Washington, D.C.



# COMMERCIAL FISHERIES REVIEW



A review of developments and news of the fishery industries  
prepared in the BRANCH OF COMMERCIAL FISHERIES

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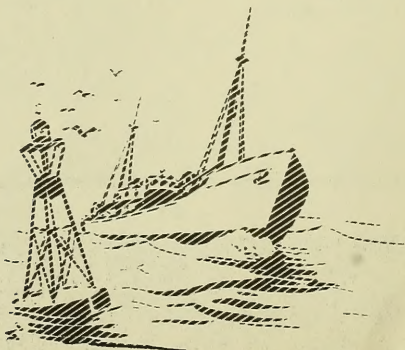
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Copies of all issues for 1949 have been exhausted. Therefore, it will not be possible to fill requests for any 1949 issue of the Review. Separates of some of the feature articles are available. If there is a specific article in which you are interested, write us and we will let you know if a separate is available.





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   trade in fishery products, 1948; Sept. 25.  
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   trawl (Schatz), new-type; Aug. 33.  
   trawling attempted off \_\_\_\_\_; Feb. 32.  
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   salted fish tariff altered; Aug. 34.  
 British Honduras:  
   fisheries, status of; Mar. 53.  
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- British West Indies:  
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   import restrictions relaxed; Feb. 38.  
   sponge beds not to be reopened; July 34.  
   sponge fishing prohibited indefinitely; Dec. 36.  
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   Arctic fishery investigation may be extended; Sept. 26.  
   bloaters, spring, packing for export; Sept. 26.  
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   devaluation on \_\_\_\_\_ fisheries, effect of; Dec. 40.  
   herring fishery, 1948-49; May 38.  
   port privileges to fishing vessels in Alaska and \_\_\_\_\_; Dec. 30.  
   salmon:  
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     canned pack, 1949 estimated; July 36.  
     export policy continued in 1949; June 39.  
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   dragging profitable in Western Nova Scotia; Nov. 42.  
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   "long-lining" proves of value on \_\_\_\_\_; July 35.  
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   export control on fishery products removed, additional; Apr. 38.  
   exports of fishery products at record level in 1948; Mar. 45.  
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   bed found in Northumberland Strait; Dec. 39.  
   Digby production declines; Dec. 40.  
   Digby water temperatures affect catches; June 40.  
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- Ceylon:  
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- Chile:  
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- China:  
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- Colombia:  
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- Costa Rica:  
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- Cuba:  
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- Cyprus:  
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- Denmark:  
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- Dominican Republic:  
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- Ecuador:  
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- Egypt:  
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- Europe:  
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- Faeroe Islands:  
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- Finland:  
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- France:  
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- French Morocco:  
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- Germany, Bizone (now German Federal Republic):  
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 Bremerhaven's fisheries, new construction for; July 34.  
 British conclude agreement to sell fish to \_\_\_\_\_; Feb. 45.  
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- herring:  
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 Norway exports to Russia and \_\_\_\_\_; Feb. 57.  
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 Netherlands claims 20 fishing vessels; Feb. 32.  
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- procurement of for \_\_\_\_\_; Jan. 48.  
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- Greece:  
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- Greenland:  
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 Norwegians fish for \_\_\_\_\_ cod; Feb. 57.  
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- Guam:  
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- Guatemala:  
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- Hawaii:  
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- Hungary:  
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- Iceland:  
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- British-\_\_\_\_\_ agreement to sell fish to Bizone Germany; Feb. 45.
- budget difficulties at present due to poor fishing; Feb. 45.
- Faroese fishing rights in \_\_\_\_\_ waters; May 42.
- financial aid to fishing industry; Feb. 45.
- fisheries, latest development in; Jan. 33.
- fisheries review, 1947; Oct. 49.
- fisheries review, 1948; Apr. 50.
- fisheries trends, 1948; Mar. 53.
- fish factory, floating, new, in operation; Feb. 46.
- government-fish producers agreement; Mar. 55.
- herring fishery, summer; Sept. 29.
- International Northwest Atlantic Fisheries Convention, statement on; Apr. 55.
- Netherlands-\_\_\_\_\_ commercial agreement; Apr. 49.
- prices guaranteed on exported fish; Nov. 46.
- production of fisheries, 1948; Mar. 55.
- Russian expedition off the North Coast; Nov. 48.
- seamen's unions and trawler owners dispute; Apr. 49.
- seamen's unions and trawler owners dispute settled; May 42.
- subsidies, fisheries, payment of still provided in budget, 1949; Oct. 47.
- Swedish-\_\_\_\_\_ trade protocol; Oct. 55.
- territorial waters, motion for patrol and extension of; Feb. 45.
- trade agreement with Netherlands; Mar. 55.
- trade agreement with United Kingdom; Mar. 55.
- trawler operations and marketing of iced fish; Nov. 47.
- trawlers, to build ten new; Oct. 47.
- trawler with fish meal and oil plant aboard, new; Apr. 50.
- whaling operations, 1948; Aug. 37, Oct. 49.

## India:

- Bombay to expand fisheries; Aug. 37.
- fisheries review; Apr. 56.
- fishing fleet expanded; Aug. 37.
- government's program for development of fisheries; June 44.
- government urged to establish fishing stations; Aug. 38.

## Indonesia:

- fisheries improvements proposed; Dec. 43.
- fisheries review, 1948; July 37.

## Iran:

- sardine and tuna cannery, government-owned; Mar. 56.

## Iraq:

- trawler, modern, received; Sept. 29.

## Ireland:

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## Italy:

- cod fishery in Atlantic to be developed; May 42.
- Danish-\_\_\_\_\_ trade agreement includes fishery products; Dec. 44.
- vessel, fishing, construction, financial assistance for new; May 43.
- Yugoslavia permits Italian fishermen to fish in Adriatic Sea; Aug. 38.

## Japan:

- agar-agar:
  - production, 1948; Sept. 30.
  - production, 1949, proposed loan to finance; Mar. 57.
- American fishery scientists, arrival of; Mar. 56.

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- aquatic products processing, distribution, and handling of, investigated; Nov. 49.
- aquatic resources conservation, program for assisting \_\_\_\_\_ in; Nov. 51.
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- bonito catch, 1948; Jan. 35.
- bonito fishermen to convert to purse seining; Jan. 34.
- California-type purse seiner successful; Jan. 34.
- cooperative fisheries program making progress; Dec. 45.
- East China Sea trawling fleet, reduction of; Nov. 50.
- export, fishery products available for; Feb. 47.
- financing difficulties of fishing industry; Oct. 50.
- Fisheries Agency organization; Feb. 49.
- fisheries conservation program, progress of; June 45.
- fisheries cooperatives; Sept. 30.
- fisheries credit guarantee system, establishment of a; Mar. 56.
- fisheries damage by September typhoon; Dec. 44.
- fisheries industry studied by special American mission; Aug. 43.
- fishery products, factors affecting production of, 1948-51; Aug. 38.
- fishing area, violations of; Jan. 40.
- fishing areas, press conference statement on; May 43.
- fishing areas supervision, order issued on; Aug. 41.
- fishing fleet, 1948; Nov. 48.
- fishing fleet statistics; Mar. 58.
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- Inland Sea and Tokyo Bay; Aug. 2.
- institutions that publish fisheries research material; Jan. 37.
- landings of fishery products, 1948; May 43.
- lights used in catching fish; Feb. 48, May 46.
- Mexican-Argentine waters, fishing in; Jan. 35.
- oyster culture, methods of; Aug. 1.
- oyster harvesting in Yatsushiro Bay; Aug. 2.
- porpoise and dolphin fishery, 1948; Dec. 45.
- processing methods and inspection standards of fishery products surveyed; Jan. 37.
- processing methods recommendations for improvement of fishery products; Jan. 39.
- refrigeration vessels construction cancelled; Jan. 35.
- research vessel; May 46.
- sardine fishery decline in; Apr. 57.
- scallops, utilization of; Nov. 49.
- trade and business mission from U. S. en route to \_\_\_\_\_; Nov. 52.
- tuna:
  - fisheries study by U. S. team completed; Oct. 32.
  - fishing and processing methods; Mar. 58.
  - Japanese literature, collection of; Aug. 23.
  - refrigerated experimental ship; Jan. 34.
  - U. S. aid to fisheries; Oct. 50.
- whaling:
  - Antarctic expedition, 1948-49; Sept. 30.
  - Antarctic expedition, equipment and processing methods used by Japanese; July 38.
  - area authorized for fishing and \_\_\_\_\_; Feb. 48.
  - Bonin Islands operations, 1949; Oct. 50.
  - marking and research program; Nov. 50.
  - marking program; May 46.



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- Java:  
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- Korea:  
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- Latin America:  
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- Lebanon:  
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- Liberia:  
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- Libya (Tripolitania and Cyrenaica):  
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- Line Islands:  
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- Malay States:  
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- Marianas:  
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- Mauritius:  
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- Mexico:  
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- shrimp:  
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- U. S. - \_\_\_\_ International Commission for the Scientific Investigation of Tuna; Feb. 68.  
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- Miquelon-St. Pierre:  
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- Mozambique, Colony of:  
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- Netherlands:  
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- herring:  
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- Newfoundland:  
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- Nicaragua:  
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- Nigeria:  
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- Norway:  
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- herring:  
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- kelp beds charted; Nov. 56.
- plastic from fish waste; Dec. 47.
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- smacks, fishing, demand for; Feb. 57.
- trade agreement with Denmark signed; Sept. 37.
- trade agreement with Finland concluded; Mar. 63, Dec. 47.
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- trawlers, lifting of ban urged; June 47.
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- tuna fishing in North Sea; Nov. 57.
- U. S. S. R. bars sealers; Mar. 64.
- whaling:  
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- Nova Scotia (see CANADA)
- Pacific South Sea Islands:  
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- Pakistan:  
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- Indo-Pacific Fisheries Council accepted; Oct. 29.
- Panama:  
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- Peru:  
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- motorboats for fishing industry; Feb. 60.
- U. S. fisheries expert requested; May 29.

## Philippines:

- fisheries review, 1947; Jan. 44.
- fisheries review, 1948; Dec. 48.
- fishing fleet, experimental; May 56.
- Leyte Gulf yields poor fishing; Oct. 54.
- netting, manufacture of; Jan. 45.
- northern areas being explored for fishing; July 44.
- ramie fishing nets tested; Jan. 45.
- spiny lobster fishery, exploration of; Feb. 61.
- tuna specimens, smallest, discovered; Aug. 47.

## Poland:

- carps and crab fisheries; Oct. 54.
- fisheries expenditures included in budget for 1949; Feb. 61.
- fishing industry, 1948; Sept. 39.

## Portugal:

- export promotion funds; Nov. 57.
- fisheries review, 1948; June 47.
- fishing industry of major importance; Jan. 42.
- mother-of-pearl shells and button industry; Sept. 41.
- sardine packing data; Sept. 41.

## Pribilof Island:

- fur-seal take, 1949; Oct. 33.

## Puerto Rico:

- fishing vessel ceases operations in North Atlantic; Jan. 27.

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## Ryukyu Islands:

- fisheries status; Dec. 49-50.
- U. S. Army sends mission to study food economy; Nov. 58.

## St. Pierre-Miquelon:

- fisheries review; Dec. 51.

## Saipan:

- tuna fishery; Oct. 31.

## Sarawak:

- fishery survey; Aug. 35.

## Seychelle Islands:

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## South-West Africa:

- proposed tuna fishery and reduction plant; Dec. 52.

## Spain:

- canning of fish; Jan. 46.
- cod:
  - fishery; Nov. 58.
  - fishing fleet; Nov. 59.
  - production; Nov. 59.
  - fishing fleet; Nov. 58.
- fishing industries, 1948; Nov. 58.
- fishing industry, review of; July 45.
- fish trade in recent years; Feb. 62.

## Spanish Morocco:

- fishery industries, 1947; June 55.

## Sweden:

- float for trawl nets invented; Nov. 62.
- freezing plant, new; Jan. 47.
- Icelandic trade protocol; Oct. 55.
- vessels, fishing, built for Russia; Oct. 55.

## Trinidad:

- shark liver oil produced; Feb. 63.

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- fishing industry expansion; May 57, Aug. 48.
- sponge production and trade; Oct. 56.

## Union of South Africa:

- fisheries status; Jan. 47.
- fishing harbor and plants, builds private; Oct. 57.
- fish oil production, 1948; July 47.
- imports of fish, except sardines, prohibited; Feb. 64.
- sardines added to list of prohibited imports; May 57.
- sea fisheries, regulations governing the; Dec. 52.
- vessel for fishery research, new; Dec. 52.
- whaling production, 1948-49; Sept. 42.

## United Kingdom:

- Arctic research vessel, new; Apr. 59.
- British-Norwegian fishing rights and sea boundaries dispute; Sept. 38, Oct. 52, Nov. 56 and 64.
- canned fish, restrictions for U. S. and Canadian imports; Apr. 62.
- cod-liver oil market developments; Sept. 43.
- factoryship "Fairfree" to fish on Grand Banks; Nov. 65.
- fishing fleet expands; Oct. 58.
- fishing industry, plan for reorganization and development of; Apr. 62.
- fishing off Greenland and Newfoundland; Feb. 65.
- frozen fish, Ministry of Food standards for production of; May 58.
- Grimsbys--leading fishing port in North Atlantic; May 58.
- Grimsbys research laboratory to study fish spoilage; Aug. 48.
- herring, new curing method for tropics; Feb. 64.
- herring oil production; Sept. 43.
- import token plan administration procedures revised; Nov. 68.
- kippers, development of sales in U. S.; Nov. 66.
- northern Ireland prohibits sale of immature fish; Feb. 65.
- price ceilings for fish continued by new order; Feb. 64.
- salmon, canned, imported from U. S. S. R.; Feb. 65, Oct. 58.
- sardines, canned, purchases from Yugoslavia; Oct. 58.
- scottish fisheries:
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  - financial assistance to; Feb. 65.
  - postwar growth of; Nov. 66.
- sea fish industry bill; July 49.
- shrimp, description and marketing of; Nov. 64.
- trade agreement between Iceland and United Kingdom; Mar. 55.
- trawler "Prince Charles," newtype; Nov. 65.
- whale meat, canned; May 57.

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- canned fish exports to United Kingdom, Feb. 65, Oct. 58.
- fishery products production; Sept. 44.
- herring:
  - Netherlands exports to Russia; Feb. 54.
  - Norway exports to Russia; Feb. 57.
- Iceland north coast, new expedition to; Nov. 48.
- sealers, Norwegian, barred; Mar. 64.
- Sweden building fishing vessels for Russia; Oct. 55.



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- Uruguay:  
 Danish fishing off \_\_\_\_\_ successful; Dec. 52.  
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- Venezuela:  
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 deep-sea fishing venture, new; June 56.  
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 shipyard, construction of first private; May 59.  
 spiny lobster closed season lengthened; Sept. 45.  
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- Yugoslavia:  
 Italian fishermen permitted to fish in Adriatic Sea; Aug. 38.  
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- FOREIGN TRADE  
 Lobster, spiny, U. S. \_\_\_\_\_ in; May 1.
- FRANCE (see FOREIGN FISHERIES)
- FREIGHT (see RAILROAD; TRANSPORTATION)
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- FROZEN AND FRESH FISH  
 Congressional report on \_\_\_\_\_ in response to H. Res. No. 174 (81st Congress); Nov. 26.  
 Packaged \_\_\_\_\_; Mar. 31.  
 Trucks carrying \_\_\_\_\_ now exempted from I. C. C. regulations; Nov. 70.
- GAMBIA (see BRITISH WEST AFRICA)
- GEAR for tuna tested by Pacific Oceanic Fisheries Commission; Oct. 31.
- GEORGES BANK (see SECTIONAL REVIEWS)
- GERMANY, BIZONE (see FOREIGN FISHERIES)
- GRAYFISH (see SPECIES)
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- GULF OF MEXICO (see SECTIONAL REVIEWS)
- GULF STATES MARINE FISHERIES COMMISSION  
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- Fish and Wildlife Service, U. S., laboratory to open soon; Sept. 20.  
 Fishery exploration in the \_\_\_\_\_; June 1.  
 Fish production, 1948; Apr. 21.  
 "Henry O' Malley," M/V, at Honolulu; Dec. 31.  
 Kona coast trip by POFI vessel; Oct. 31.  
 Line Islands-Hawaiian reconnaissance; Mar. 35.

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## HOOVER COMMISSION Recommendations on Federal Fisheries functions; Apr. 21.

## HUNGARY (see FOREIGN FISHERIES)

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## INDONESIA (see FOREIGN FISHERIES)

- INDO-PACIFIC FISHERIES COUNCIL  
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## IMPORTS

- Fish meal and scrap, U. S. January-June 1949;  
 Oct. 34.

## INTER-AMERICAN TROPICAL TUNA COMMISSION, U. S. and Costa Rica; June 59.

## INTERIOR, DEPARTMENT OF (see FEDERAL LEGISLATION, ETC.)

## INTERNATIONAL

- Cod, salted, world study of production and marketing; Oct. 59.  
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 Herring and allied species meeting; Sept. 47.  
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## INTERNATIONAL COMMISSION FOR THE INVESTIGATION OF TUNA, U. S.-Mexico; Feb. 68.

## INTERNATIONAL FISHERIES COMMISSION

- Halibut:  
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- INTERNATIONAL FISHERIES COMMISSION (cont.)  
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- INTERNATIONAL HALIBUT TREATY  
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- INTERNATIONAL PACIFIC SALMON FISHERIES COMMISSION  
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- INTERNATIONAL WHALING COMMISSION meeting;  
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Fishery products outlook in 1949; Jan. 26.

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ment of; Dec. 30.

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Hawaiian-Line Islands reconnaissance; Mar. 35.

"Henry O' Malley," M/V arrived at Honolulu;  
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"Hugh M. Smith," M/V to begin operations in  
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Japanese bait net tested; Nov. 29.

Kona Coast, trip to; Oct. 31.

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19.

Purse-seine vessel contract awarded; Sept. 19.

Report of \_\_\_\_, June 1949; Mar. 34, Aug. 23.

Research vessel, reconditioning of; Mar. 35.

Tuna:

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Hawaiian-Line Islands tuna survey; Sept. 19.

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Haddock nursery ground located; Oct. 26.

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Fishery products production at Boston Fish Pier, 1948 (landings, prices and trends); Dec. 5.

Retail \_\_\_\_\_; Sept. 18.

Sealskin prices decline at fall fur action; Nov. 39.

Wholesale and retail prices; Jan. 29, Feb. 30, Mar.

39, Apr. 34, May 33, June 34, July 31, Aug. 28, Sept. 22, Oct. 38, Nov. 39, Dec. 33.

PROTEIN, Nutritive value, a method for evaluation of the; Jan. 21.

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PYREX TEST

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Pfaltz and Bauer Photoelectric Fluorophotometer, use of; Aug. 8.

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Ice charges increase for fish; Feb. 30, Mar. 29, Nov. 69.

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Crabs, blue, tagged in \_\_\_\_\_; Oct. 26.

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Express rates, single national scale for; Jan. 51.

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Chicago receipts of fishery products, 1948; July 9.

Seattle receipts of fishery products, 1948; June 10.

RECIPES

Clam chowder, New England; Mar. 22.

Crab meat salad; July 18.

Fillets, oven-fried; Jan. 20.

Flounder birds; Aug. 13.

Halibut steaks, stuffed; June 19.

Lake trout, baked; May 19.

Oysters au gratin; Sept. 14.

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REDUCTION

California sardine quota for reduction purposes changed; Sept. 15.

California sardines for reduction purposes, use limited; Aug. 23.

REFREEZING

Sea trout fillets, effect on quality of; Jan. 14.

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Beaufort, N. C.; Jan. 17, May 16.

Beaufort shellfish laboratory projects; Dec. 19.

Boston, Mass.; Jan. 17, Feb. 24, Mar. 21, Apr. 16,

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Clams, artificial propagation, research on; Apr. 30.

College Park, Md.; Jan. 18, Feb. 14, Mar. 21, Apr.

16, May 16, June 18, July 17, Aug. 14, Sept. 13, Oct. 21.

E value ratios for grayfish, soupfin shark, sablefish and halibut liver oils produced in the Pacific Northwest; Sept. 11.

E value ratios for some commercial vitamin A oil; Mar. 19.

Fisheries technological research program; 1949-50; Nov. 15.

Hawaiian laboratory, work to begin soon on;

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Ketchikan, Alaska; Jan. 19, Feb. 23, Mar. 21, Apr. 16, July 17, Aug. 14, Sept. 13, Oct. 21.

Nutrition; Nov. 14.

Preservation; Nov. 14.

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Research in service laboratories; Dec. 13.

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Seattle, Wash.; Jan. 19, Feb. 23, Mar. 21, Apr. 16,

May 17, June 18, July 17, Aug. 15, Sept. 14, Oct. 22.

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Scientific conference on conservation and utilization of \_\_\_\_\_; Apr. 30, Nov. 34.

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Fish roe and caviar, 1948, U. S. pack of canned; Aug. 25.

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#### SCRAP

Imports into U. S. of fish meal and \_\_\_\_\_, January-June 1949; Oct. 34.

Marine-animal scrap and meal, U. S. production of, 1948; Sept. 21.

SEA LAMPREY (see SPECIES)

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Pribilof Island take, 1949; Oct. 33.

Sealskin prices decline at fall fur auction; Nov. 39.

U. S. sealskins sold at auction; May 31.

Vitamin A in liver of the Alaska fur seal; Apr. 9.

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#### SECTIONAL REVIEWS

Alabama oyster harvesting halted; June 28.

Alaska (also see FISH AND WILDLIFE SERVICE):  
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fisheries of the U. S. and Alaska, 1948; Mar. 36.

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#### Atlantic Coast:

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areas of the North Atlantic mussel producing beds; Sept. 1.

part II - observations on the biology and the methods of collecting and processing the mussel; Oct. 8.

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salmon reestablishment in the St. Croix River; May 21.

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Bering Sea;

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Boston:

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Browns Bank:

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California:

fishery products landings, 1948; Dec. 17.

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Central America tuna fishing trip, preliminary report; Aug. 20.

Chesapeake Bay:

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Chicago:

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Columbia River salmon fishery; June 32.

Connecticut:

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Delaware:

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Florida:

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Tarpon Springs production, 1948; Oct. 33.

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Georges Bank:

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Lake Michigan lake trout scarred by lampreys; Aug. 19.

Michigan's fisheries production, 1948; Oct. 30.

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Gulf of Mexico:

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Marine Fisheries Commission organized; Oct. 27.

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Indiana:

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Louisiana:

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- Maine (cont.):  
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- Maryland:  
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- Massachusetts:  
 Boston trawlers, sale to U. S. Army; May 25.  
 fisheries trends, April 1949; May 25.  
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 rosefish fishing at night; May 25.
- Michigan Great Lakes fisheries production, 1948; Oct. 30.
- Mississippi:  
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- New Hampshire:  
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- New Jersey:  
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- New York:  
 New York City:  
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- North Carolina:  
 Atlantic States Marine Fisheries Commission joined by \_\_\_\_\_; Oct. 30.  
 Beaufort fishery biology laboratory reactivated; Oct. 27.  
 Fisheries Research Institute program; Aug. 21.  
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- Oregon:  
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- Pacific:  
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 halibut fishery regulations for 1949; May 26.  
 halibut season closed; July 23.  
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 seiner-packers, new, launched; Oct. 42.  
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- Seattle:  
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- Texas:  
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- Utah:  
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- Virginia:  
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- Washington:  
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 Seattle receipts of fishery products, 1948; June 10.  
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## SHELLFISH (see SPECIES)

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## SOLUTION CELLS

- Pyrex test and culture tubes as \_\_\_\_\_ with Pfaltz and Bauer photoelectric fluorophotometer, use of; Aug. 8.

## SONIC EQUIPMENT

- Use to guide fish; May 22.

## SOUTH AFRICA (see UNION OF SOUTH AFRICA)

## SOUTH PACIFIC FISHERY INVESTIGATIONS

- Albacore sighted by "Black Douglas," M/V; Oct. 27.  
 Stations occupied; July 23.

## SOUTH-WEST AFRICA (see FOREIGN FISHERIES)

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## Alewives:

canned pack in 1948; July 25.  
Virginia fishery; June 31.

## Anchovies:

canned U. S. pack in 1948; Aug. 24.  
reduction in California limited to canning operations; May 29.

## Bottom Fish, Washington and Oregon production declines; Mar. 39.

## Clams:

canned U. S. pack in 1948; Oct. 35.  
hard clam investigation; May 19.  
larvae of the soft and skimmer clams and Olympia oysters grown by biologists; June 22.  
marine-shell products, U. S. production in 1948; July 31.

Netherlands requests clams from U. S. for propagation; July 43.

production increases; Apr. 25.  
research on artificial propagation; Apr. 30.  
research program, progress on; May 20.  
research progress on East Coast; Sept. 28.  
surf clam fishery; Apr. 33.

## Cod:

liver oil, vitamin A and D potencies of Pacific cod; May 13.  
salted cod--world study of production and marketing; Oct. 59.

## Crabs:

## blue:

canned crab meat U. S. pack in 1948; Oct. 36.  
Chesapeake Bay over-production in 1948; Mar. 31.  
tagged in Rappahannock; Aug. 26, Oct. 26.  
mollusk destruction by crabs, observations on; Dec. 20.

## Eel Grass returns to New Jersey; Apr. 28.

## Fur Seal (see SEALS, FUR)

## Grayfish:

E value ratios for soupfin shark, sablefish, and halibut liver oils produced in the Pacific Northwest; Sept. 11.

## Groundfish:

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fillet imports in 1948; Feb. 27.  
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## Haddock:

Georges and Browns banks tagged; Aug. 18.  
nursery ground located by "Albatross III," M/V; Oct. 26.

## Halibut:

E value ratios for grayfish, soupfin shark, sablefish, and liver oils produced in the Pacific Northwest; Sept. 11.

International Treaty amendment proposed; Dec. 30.

Pacific areas 1B and 2 closed on June 3; June 25.  
Pacific fishery regulations for 1949; May 26.  
Pacific season closed; July 23.

## Herring:

## Alaska:

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fishery regulations, amendments to; June 59.  
International meeting on and allied species; Sept. 47, Dec. 21.  
sea herring, Atlantic Coast pack, 1948; July 28.  
Stonington (Conn.) fishery; Mar. 29.

## Lake trout, Lake Michigan fish scarred by lampreys; Aug. 19.

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## Lobsters:

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truck, new, for transportation of; May 25.

## Lobster, Spiny:

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## Mackerel, canned U. S. pack, 1948; June 29.

## Menhaden:

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products, U. S. production of, 1948; July 30.  
Virginia:

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## Mollusks:

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## Mussel:

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## North Atlantic resources:

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part III - development of the fishery and the possible need for conservation measures; Nov. 3.

## Oyster:

Alabama harvesting halted; June 28.  
canned labeling requirements, proposed changes; Nov. 69, Dec. 56.

canned U. S. pack, 1948; May 30.  
Chesapeake Bay shortage; Mar. 31.  
fishery; May 22.

## Gulf investigations; Aug. 19.

Japanese methods of oyster culture; Aug. 1.  
Louisiana and Mississippi survey; Feb. 27.  
marine and products, U. S. production, 1948; July 31.

Netherlands sends to U. S. for experimental purposes; Dec. 20.

## New Jersey industry; Apr. 28.

Olympia larvae grown by biologists; June 22.  
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## Pilchard (see SARDINES)

## Poisonous Fish:

Trust Territory research program includes sponges and poisonous fish; July 24.

## Red Snapper fishery; May 22.

## Rockfish:

fillets, whole and split, storage life of; July 1.

## Rosefish:

## fillets:

imports of groundfish (including rosefish) in 1948; Feb. 27.  
fishing at night; May 25.  
Maine's landings; Apr. 25.  
tariff-rate quota (1949) of groundfish, including rosefish, fillets; Feb. 67.

## Sablefish:

E value ratios for grayfish, soupfin shark, and halibut liver oils produced in the Pacific Northwest; Sept. 11.

## Salmon:

Alaska fishery; June 32.  
Atlantic, reestablishing stocks in the St. Croix River; May 21.  
canned U. S. pack, 1948; Oct. 37.  
Columbia River fishery; June 32.

## SPECIES (cont.)

## Salmon (cont.):

International Pacific Salmon Fisheries Commission, U. S. member appointed to; Aug. 49.  
sockeye regulations for 1949; Apr. 32.  
trout fishery; Dec. 27.

## Sardines:

## California:

canned pack, 1948; July 26.  
electric lamp for pilchard-seine fishery; Dec. 35.  
fishery research on West Coast; Dec. 29.  
Pacific Coast two-year survey; Apr. 29.  
reduction quota changed; Sept. 15.  
reduction use limited; Aug. 23.  
spawning area discovered off Central California; Nov. 25.

film takes honors in international exhibition; Dec. 31.

Maine, pack, 1948; July 27.

## Sea Lampreys:

Great Lakes fisheries; Dec. 19.  
Great Lakes sea lampreys continue to increase; Nov. 37.

Indiana streams; July 23.

investigations; May 21.

Lake Michigan lake trout scarred by \_\_\_\_; Aug. 19.  
spawning survey; June 22.

## Seal(s), Fur:

Pribilof Island take, 1949; Oct. 33.  
skin prices decline at fall auction; Nov. 39.  
skins, U. S., sold at auction; May 31.  
vitamin A in liver of Alaska \_\_\_\_; Apr. 9.

## Sea Trout

fillets, effect of refreezing on quality of; Jan. 14.

## Shad:

canned \_\_\_\_, U. S. pack, 1948; July 29.  
Chesapeake Bay production of \_\_\_\_ lower in 1948; Mar. 31.  
fishery, Virginia; June 32.

## Shark:

E value ratios for grayfish, soupfin shark, sablefish, and halibut liver oils produced in the Pacific Northwest; Sept. 11.  
fishery; Dec. 29.  
Florida fishing vessel ready, new; Apr. 28.  
tagging program for West Coast soupfin shark; May 30.

## Shellfish:

atomic energy to aid shellfish; Nov. 21.  
Beaufort laboratory projects; Dec. 19.  
export controls removed; May 60.  
"Fish (including \_\_\_\_)" meaning in Interstate Commerce Act clarified; May 63.  
oyster and marine-clam shell products, U. S. production, 1948; July 31.

## Shrimp:

canned labeling requirements, changes in; Nov. 69, Dec. 56.  
canned U. S. pack, 1948; May 30.  
commercial species, identification; Dec. 1.  
fishery of the southern United States; Feb. 1.  
North Carolina \_\_\_\_ and fisheries research agreement; May 20.  
picking cups in the packing of canned \_\_\_\_, use of; Dec. 56.

Smelt, Maine's fishery decreases in 1948; Apr. 25.  
Spanish Mackerel, Florida west coast fishery; Apr. 24.

Spiny Lobster (see LOBSTER, SPINY)

## SPECIES (cont.)

## Sponge(s):

disease off Florida verified; Dec. 21.  
Service studying disease off Florida; Nov. 25.  
Tarpon Springs, Florida, production, 1948; Oct. 33.

Trust Territory research program includes sponges and poisonous fish; July 24.

## Starfish:

Service to combat \_\_\_\_ in Long Island Sound; Dec. 21.

Striped Bass tagging in North Carolina; May 21.

## Tuna:

aku abundant in Marianas in June; Aug. 23.

albacore fishery; Dec. 28.

biology studies; Mar. 35.

British Columbia Coast renews patrol off coast; July 35.

canned standards meeting held; June 27.

canned U. S. pack; June 30.

Costa Rica Inter-American Tropical Tuna Commission; June 59.

European research; July 53.

feeding; Aug. 20.

fishery in Washington and Oregon; June 32.

fishing; Aug. 10.

fishing industry, development of; Feb. 58.

fishing trip off Central America, preliminary report; Aug. 20.

gear tests by POFI; Oct. 31.

Hawaiian fishery; Oct. 31, Nov. 29.

Hawaiian-line Islands survey; Sept. 19.

liver meal project; Mar. 35.

Mexico International Commission for the Scientific Investigation of Tuna; Feb. 68.

Pacific Oceanic Fishery Investigations;

collects data; June 29.

gear tests; Oct. 31.

research continues; July 23, Oct. 31.

refrigerated ship, experimental; Jan. 34.

Salpan fishery; Oct. 31.

skipjack abundant in Marianas in June; Aug. 23.

specimens, smallest, discovered; Aug. 47.

standards meeting held; June 27.

U. S. fishery team completes study of Japanese fisheries; Oct. 32.

## SPECIMENS

Collection of \_\_\_\_; Aug. 20.

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## STANDARDS

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STATE FISHERIES COMMISSIONS (see COMMISSIONS)

STORAGE (see COLD STORAGE)

STRIPED BASS (see SPECIES)

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## TAGGING

Haddock \_\_\_\_ on Georges and Browns Banks; July 22, Aug. 18.

Program for West Coast soupfin shark; May 30.



## TARIFFS

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## TECHNICAL ASSISTANCE

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FAO part in technical assistance program forwarded to World Food Council; June 22.

## TECHNICAL NOTES

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## TECHNOLOGY (see PRESERVATION AND REFRIGERATION; RESEARCH IN SERVICE LABORATORY)

## TERRITORIAL WATERS

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## TEXAS (see SECTIONAL REVIEWS)

## TIN

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## TRACER ATOMS

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fish (including shellfish), meaning of in Interstate Commerce Act clarified; May 63.  
ice charges for fish, hearing on increases of; Feb. 30, Mar. 29.  
Railroad:  
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freight rates increased; Jan. 51.  
Trucks:  
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shrimp transportation by qualified unlicensed trucks; Apr. 65.

## TRAWLERS

Boston trawlers sold to U. S. Army; May 25.  
Otter-trawl fishery; Mar. 32 and 33, June 32, Dec. 29.  
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## TREASURY, DEPARTMENT OF THE (see FEDERAL LEGISLATION, ETC.)

## TRINIDAD (see FOREIGN FISHERIES)

## TRUCKS (also see TRANSPORTATION)

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Fresh and frozen fish, trucks carrying these products exempted from I. C. C. regulations; Nov. 70.  
Lobsters, new trucks developed for transportation of; May 25.  
Shrimp by qualified unlicensed trucks, transportation of; Apr. 65.

## TRUST TERRITORY OF THE PACIFIC ISLANDS

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Research program includes sponges and poisonous fish; July 24.

## TUNA (see SPECIES)

## TURKEY (see FOREIGN FISHERIES)

## UNION OF SOUTH AFRICA (see FOREIGN FISHERIES)

## U. S. S. R. (see FOREIGN FISHERIES)

## UNITED KINGDOM (see FOREIGN FISHERIES)

## UNITED NATIONS

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## UNITED STATES

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Costa Rica Inter-American Tropical Tuna Commission; June 59.  
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Japanese fisheries, U. S. aid to; Oct. 50.  
Japan supplied with fishing equipment from U. S.; Jan. 40.  
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Peru requests \_\_\_\_ fisheries expert; May 29.  
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 Equipment and processing methods used by Japanese Antarctic expeditions; July 38.  
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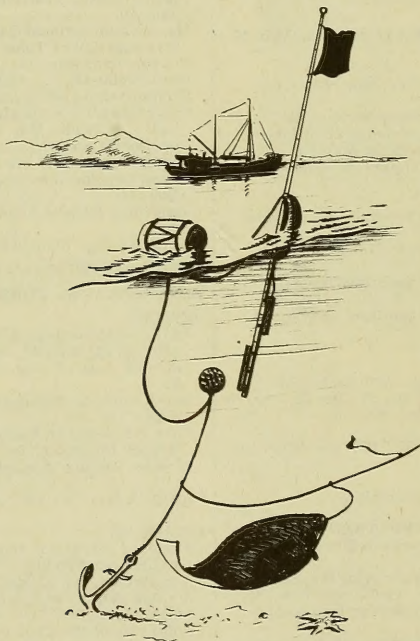
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Editorial Assistant--Ruth V. Keefe

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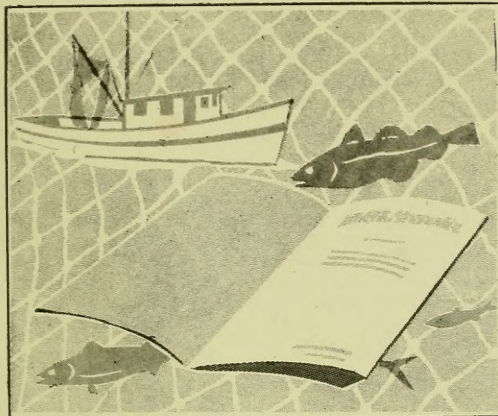
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## FISHERY STATISTICAL PUBLICATIONS

Fishery Leaflet 432, Fishery Statistical Publications of the Fish and Wildlife Service, has been published to acquaint persons interested in the fishing industry with the Statistical and Market News publications released by U. S. Fish and Wildlife Service. This leaflet shows the titles of the various reports, a brief description of the information contained in each publication, and the frequency with which it is released.



To operate efficiently, an industry must have readily available accurate current information concerning its operations. Data on production prices, sales, stocks, and related information provide a measure of whether an industry is in a healthy or an unhealthy condition. Review of an industry's statistics indicates trends which assist members in arranging their

activities so as to take advantage of changing business conditions. Statistics supply government with the information it requires in peacetime to assist in protecting and developing industry, and in periods of national emergencies they are the foundation on which a government marshalls its strength.

The fishing industry and the governmental agencies concerned with the fisheries are particularly dependent upon statistical information for several reasons. The industry is widely scattered, extending over thousands of miles of coastline and in the waters of the interior. A large portion of the catch is taken by small independent fishermen, and much of it is sold through small dealers who have little contact with other segments of the fishing business. With over 200 species of fish and shellfish taken commercially and with the numerous manufactured products prepared from these various species, it is impossible for any person or agency to follow trends in the fisheries without adequate statistical data.

In order to supply these data, the Fish and Wildlife Service conducts statistical surveys of the fisheries, and assembles information collected by State fishery departments and other local, state, and Federal agencies. Information is obtained on employment in the fisheries, the volume and value of the catch, production of manufactured fishery products, freezings and cold-storage holdings, foreign trade statistics, and related information on a monthly and annual basis. Daily and weekly data relating to market conditions are also collected in the more important marketing or producing centers. The data collected in these various ways are published in a large number of statistical bulletins, Fishery Market News reports, and other publications. The most complete annual data are published in the Statistical Digests.

Copies of Fishery Leaflet 432 are available free from the Division of Information, U. S. Fish and Wildlife Service, Washington 25, D. C.



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## PUBLICATION CATALOGUES UNITED STATES FISHERY PUBLICATIONS

If it pertains to commercial fishing--if it has been printed by the Government--if the subject matter falls anywhere between "abaca," which is a fiber, and Zuiho Maru, which is a research vessel--and if the author's name should happen to be in that part of a bibliography beginning with "Abernethy, R. F." and ending with "Zobairi, R. A. K."--then it will be listed in the Fishery Publications Index 1920-1954, recently published by the U. S. Fish and Wildlife Service as Circular 36.

# Fishery Publication Index 1920-54

Circular 36  
Fish and Wildlife Service  
United States Department of the Interior

This new publication supplements "An Analytical Subject Bibliography of Publication of the Bureau of Fisheries, 1871-1920." This completes the indexing of all Government fishery publications from the time the Federal Government took official interest in commercial fishing in 1871 to and including the year 1954.

The new Index is in three parts--the Publications Series, the Author Index, and the Subject Index. The Subject Index lists several thousand things and conditions studied or observed by fishery scientists and technicians over the 34-year period. The topics touch almost every conceivable phase of the fishery business, from the control of fungus on pike

eggs to freezing fish, cooking shrimp, deep-sea trawling, and control of the sea lamprey. More than a thousand technical and scientific authors are listed with a cross-reference to their contributions to fishery research and services.

In the Publications Series will be found a listing of every article on fisheries printed by the Government since 1920, its title and a reference to the Series in which it appeared. The media listed in this section are: Administrative Reports, Circulars, Conservation Bulletins, Current Fishery Statistics, Documents, Economic Circulars, Fishery Bulletins, Fishery Circulars, Fishery Leaflets, Investigational Reports, Market Development Leaflets, Progressive Fish Culturist, Regulatory Announcements, Research Reports, Separates, Special Scientific Reports, Special Scientific Reports--Fisheries, Statistical Digests, and Test Kitchen Series.

Circular 36 is for sale by the Superintendent of Documents, United States Government Printing Office, Washington 25, D. C., for \$1.50 a copy.